

2.13 - Democracy Suite[®] System Change Notes

Version: 5.17-CO::3

April 14, 2023

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CHAPTER 1: INTRODUCTION

The Democracy Suite[®] 5.17 voting system is a modification to the certified Democracy Suite[®] 5.13-A voting system. The purpose of this modification is to provide the changes described in “Product Changes” on page 2.

CHAPTER 2: PRODUCT CHANGES

Table 2-1 lists the Democracy Suite® 5.17 product changes and reference, where applicable, the documentation revisions detailing the changes.

Item #	Product	Change Summary	Affected Document Name	Affected Document Section
1.	General	System and security updates to Democracy Suite: - Upgrade to Windows Server 2019 and SQL Server 2019 - New tool for performing automated hardening procedure of all Windows-based components - Additional encryption of election databases on ICE, ICP2 and ICX - ICX Smart Card Mutual Authentication and Secure Messaging	2.02 - Democracy Suite® System Overview	Democracy Suite® EMS Operational Environment
			2.05 - Democracy Suite® ImageCast® X Software Design and Specification	Mutual Authentication and Secure Messaging for ACOS6 Smart Cards; System Database Encryption
			Democracy Suite® EMS Express Installation and Configuration Procedure	EMS Security Hardening Application Installation; Operating System Hardening Procedure
			Democracy Suite® EMS Client Workstation Installation and Configuration Procedure	EMS Security Hardening Application Installation; Hardening the Operating System

Table 2-1: Product Changes

Item #	Product	Change Summary	Affected Document Name	Affected Document Section
			Democracy Suite® EMS Standard System Installation and Configuration Procedure	EMS Security Hardening Application Installation; Hardening the Operating System
			Democracy Suite® ImageCast® Central Installation and Configuration Procedure	Applying Windows Hardening Procedures
			Democracy Suite® EMS ImageCast® Voter Activation User Guide	Operating System Hardening Procedures
2.	General	Added additional election-specific information to the barcode on paper ballots	N/A	N/A
3.	General	Added ability in EED to configure the number of columns a contest should occupy on the ICX screen	Democracy Suite® ImageCast® X Machine Configuration File Settings	Main Settings
4.	General	Improved pseudo random number algorithm	N/A	N/A

Table 2-1: Product Changes (Continued)

Item #	Product	Change Summary	Affected Document Name	Affected Document Section
5.	Election Management System	System and Security upgrades to the EMS system: - Expanding the use of Trusted Certificates - Additional Software Encryption of the SQL Database - Blocked auto-play for all external media	Democracy Suite® EMS Election Event Designer User Guide	Project Parameters: Security Tab; Encryption of an existing project
			2.05 - Democracy Suite® EMS Software Design and Specification	Election Database Encryption with SQLite SEE for ICX
			2.05 - Democracy Suite® ImageCast® X Software Design and Specification	System Database Encryption
			Democracy Suite® EMS Client Workstation Installation and Configuration Procedure	Installing DVS Implementation Certificate
6.	Election Event Designer	Added information about status of election files in the Tabulator list to indicate whether election media has been programmed or needs to be re-programmed.	Democracy Suite® EMS Election Event Designer User Guide	Tabulator Management; Filtering Tabulators
7.	Results Tally & Reporting	Added option to redact low turnout by precinct and/or counting group from CVR export for Primary elections.	Democracy Suite® EMS Results Tally & Reporting User Guide	Exporting Cast Vote Record Data
8.	Adjudication	New Adjudication Activity Log Report and Export	Democracy Suite® ImageCast Adjudication User Guide	Activity Log Export

Table 2-1: Product Changes (Continued)

Item #	Product	Change Summary	Affected Document Name	Affected Document Section
9.	Adjudication	Added ability to perform Database Back-ups and Maintenance Procedure	Democracy Suite® ImageCast Adjudication User Guide	Other Options; Manually Maintain Database; Backing Up the Adjudication Databases
10.	ImageCast X	System and Security updates to the ICX product: or serial number to the result files - Support for Poll Worker and Technician Card expiration date - Additional USB models added to list of accepted devices	Democracy Suite® ImageCast® X Prime System Installation and Configuration Procedure	Required Software; Preparing Bootable USB Drive
			Democracy Suite® ImageCast® X Classic System Installation and Configuration Procedure	Required Software; Preparing Bootable USB Drive
			2.05 - Democracy Suite® ImageCast® X Software Design and Specification	File Naming; File Storage and Protection; Batch file structure; CVR Saving Procedure

Table 2-1: Product Changes (Continued)

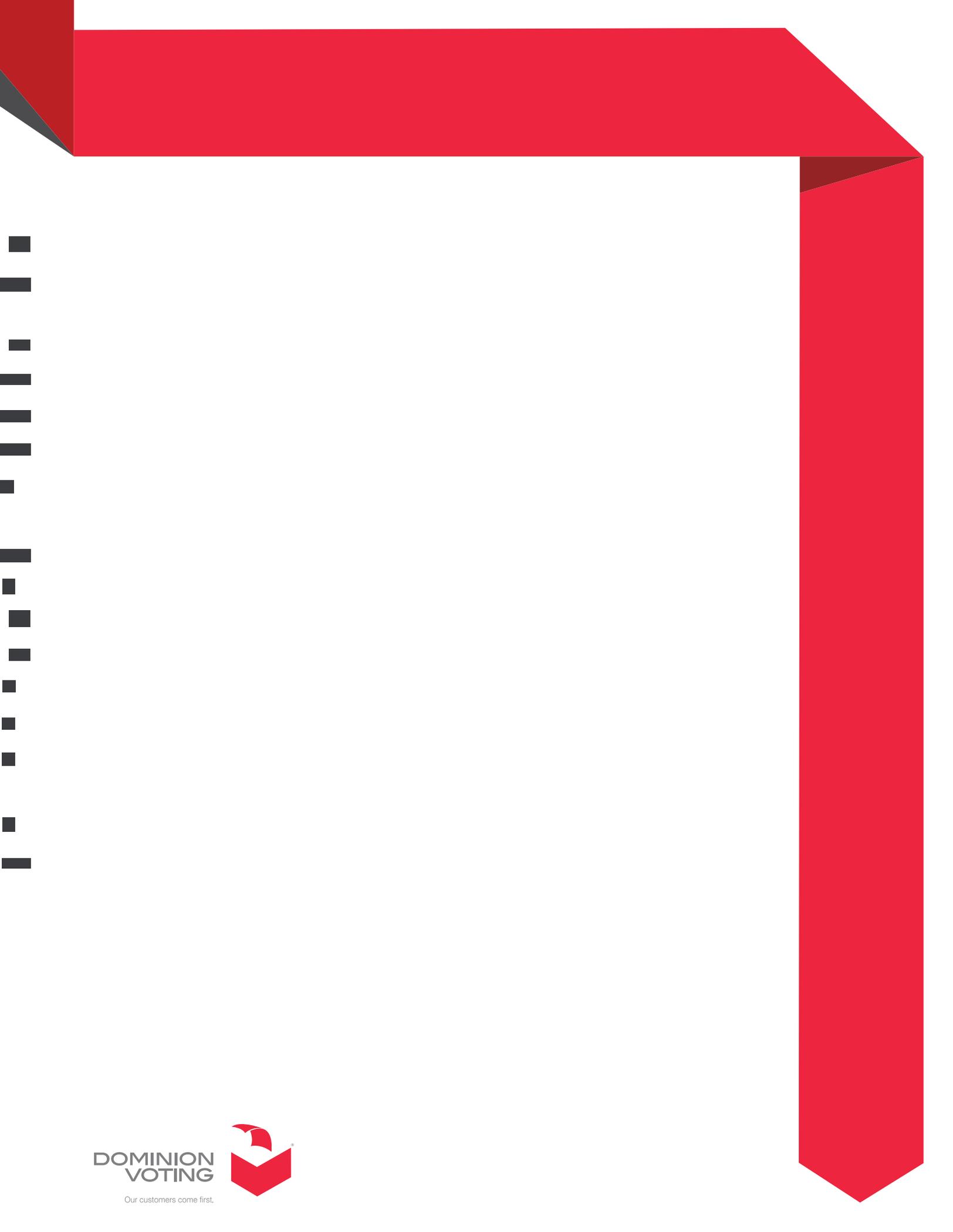
REVISION HISTORY

Rev.	Date	Summary
3	04-14-2023	Content and grammar corrections throughout
2	04-05-2023	Revised for content and grammar corrections
1	03-13-2023	Branched for 5.17-CO

LIST OF TABLES

Table 2-1: Product Changes 2

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